

# A LOW VELOCITY AIR BURST MUNITION AND LAUNCHER SYSTEM IMPLEMENTED ON AN EXISTING WEAPON

## Abstract

A low velocity air burst munition and launcher system allows the user to program the munition to detonate in the air at a specified range from the muzzle. The system further allows the munition to detonate upon impact or self-destruct if the target is missed. The system allows the user to program and reset the munition multiple times, and allows the user to perform this operation at night in cold weather conditions. The system requires the user to manually input the range into a fuze programming device prior to projectile launch. The fuze programming device is capable of direct interface with electronic range determining devices. The system employs electrical contacts in the chamber of the munition launcher barrel and on the projectile body to complete the circuit used for programming. Furthermore, this system is capable of integrating a magnetic induction method of programming.